

[CLAIMS]

1. A positive working heat-sensitive lithographic printing plate
5 precursor comprising a support having a hydrophilic surface and a
coating, provided on the hydrophilic surface, said coating
comprising:
 - an infrared light absorbing agent,
 - an oleophilic resin soluble in an aqueous alkaline developer,
 - 10 - a developer resistance means and
 - spacer particles,
characterised in that said spacer particles comprise cross-linked
polysiloxane and have an average particle size is between 0.6 μm
and 15 μm .
- 15 2. A positive working heat-sensitive lithographic printing plate
precursor according to claim 1 wherein said particle size is
between 1 μm and 15 μm .
- 20 3. A positive working heat-sensitive lithographic printing plate
precursor according to claim 1 wherein said cross-linked
polysiloxane is a cross-linked poly alkylsiloxane.
- 25 4. A positive working heat-sensitive lithographic printing plate
precursor according to claim 1 wherein said coating has a layer
thickness comprised between 0.6 g/m^2 and 2.8 g/m^2 .
- 30 5. A positive working heat-sensitive lithographic printing plate
precursor according to claim 1 wherein said coating comprises at
least two layers and wherein said spacer particles are present in
at least one of the layers of the coating.
- 35 6. A positive working heat-sensitive lithographic printing plate
precursor according to claim 1 wherein the amount of said

- 34 -

particles in the coating is between 5 and 200 mg/m².

7. A positive working heat-sensitive lithographic printing plate precursor according to claim 1 wherein said developer resistance means is a polymer comprising siloxane or perfluoroalkyl units.
8. A stack comprising a plurality of positive working heat-sensitive lithographic printing plate precursors, according to claim 1, wherein adjacent plate precursors are separated by an interleave.
- 10 9. A package comprising a stack according to claim 8.
- 15 10. Use of cross-linked polysiloxane spacer particles, having an average particle size larger than 0.6 μm , in the coating of a positive working heat-sensitive lithographic printing plate precursor, said coating, provided on the hydrophilic surface, further comprising:
 - an infrared light absorbing agent,
 - an oleophilic resin soluble in an aqueous alkaline developer
 - 20 and
 - a developer resistance means, characterised in that said spacer particles comprise cross-linked polysiloxane and have an average particle size larger than 0.6 μm , for improving the scuff-mark resistance of the coating.

25

30

35